

# Savyon NA Lysis Buffer

**Version 01**

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**Cat. No. FC800176**

**Store at +15 to +25°C.**

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## 1. General Information

### 1.1. Contents

Bottle	Cap	Label	Function /Description	Content
1	White	Savyon NA Lysis Buffer	For cell lysis, binding of total nucleic acids and inactivation of nucleases	100mL

- ***Do not use the buffer if it contains precipitates. If a precipitate is visible, warm the solution in a +37°C water bath until the precipitates have dissolved. Do not warm the buffer longer at +37°C than is actually needed for complete dissolution of the precipitate. Before using it, bring the buffer back to +15 to +25°C.***

### 1.2. Storage and Stability.

#### Storage Conditions (Product)

When stored at +15 to +25°C, the buffer is stable through the expiration date printed on the label.

### 1.3. Additional Equipment and Reagents Required

#### Standard Laboratory Equipment

- Nuclease-free, aerosol-resistant pipette tips
- Nuclease-free reaction tubes

### 1.4. Application

The Savyon NA Lysis Buffer is designed for the following applications:

- Inactivation of Coronavirus in the sample.
- Provides stabilization of nucleic acids within lysates.
- Compatible with nucleic acid purification with MagNA Pure Instruments.

## 2. How to Use this Product

### 2.1. Before you Begin

#### General Considerations

##### Precautions

- ***Do not allow Lysis Buffer to touch your skin, eyes, or mucous membranes. If contact does occur, wash the affected area immediately with large amounts of water; otherwise, the reagent may cause burns. If you spill the reagent, dilute the spill with water before wiping it up.***
- ***Never store or use the Lysis Buffer near human or animal food.***
- ***Always wear gloves and follow standard safety precautions when handling these buffers.***
- ***Guanidine-thiocyanate in Lysis buffer can form toxic gases when combined with bleach or acid. If a spilled sample containing this solution is potentially infectious, do not directly add bleach for decontamination.***
- ***All relevant procedures should be carried out as quickly as possible.***
- ***Treat all samples of mammalian, but especially of human origin as potentially infectious.***

#### Safety Information

##### Laboratory Procedures

- Handle all samples as if potentially infectious, using safe laboratory procedures. As the sensitivity and titer of potential pathogens in the sample material varies, the operator must optimize pathogen inactivation by the Lysis Buffer or take appropriate measures, according to local safety regulations.
- Do not eat, drink, or smoke in the laboratory work area.
- Do not pipette by mouth.
- Wear protective disposable gloves, laboratory coats, and eye protection when handling samples and kit reagents.
- Do not contaminate the reagents with blood, cells, bacteria, virus, or other contaminants. Use disposable pipettes and nuclease-free pipette tips only, to remove aliquots from reagent bottles. Use the general precautions described in the literature.
- Wash hands thoroughly after handling samples and reagents.
- Complete each phase of the PCR/RT-PCR workflow before proceeding to the next phase. For example, you should finish PCR/RT-PCR sample preparation before starting PCR/RT-PCR setup. Sample preparation, PCR/RT-PCR setup, and the PCR/RT-PCR run itself should also be performed in separate locations.

#### Waste Handling

- Discard unused reagents and waste in accordance with country, federal, state, and local regulations.
- Safety Data Sheets (SDS) are available online at [www.savyondiagnosics.com](http://www.savyondiagnosics.com).

## 2.2. Protocols

Follow the steps below **unless instructed otherwise** by the corresponding MagNA Pure kit Instructions for Use.

- ➊ Add the appropriate amount of Savyon NA Lysis Buffer to each reaction vial containing sample material. Refer to the corresponding MagNA Pure kit instructions for the required volume ratio of the sample and the buffer.
- ➋ Homogenize the sample material by vortexing three times for 10 seconds each or by pipetting.

## 3. Supplementary Information

### 3.1. Trademarks

MAGNA PURE is a trademark of Roche.

All third party product names and trademarks are the property of their respective owners.

### 3.2. Regulatory Disclaimer

For general laboratory use.

### 3.3. Safety Data Sheet

Please follow the instructions in the Safety Data Sheet (SDS).

### 3.4. Contact and Support

Manufactured by Savyon Diagnostics Ltd., distributed by Gamidor Diagnostics:

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